

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0004	Overall LMA Rating	Total LMA Miles						
Sacramento Maintenance Yard East Levee Yolo Bypass	A	2.01						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Animal Control	0.01		0.01	0.50%				
Erosion / Bank Caving							0.01	
Crown Surface / Depressions / Rutting	0.13		0.13	6.46%				
<i>LMA Totals:</i>	0.14	0.00	0.14	6.95%	0.00	0.00	0.01	0.00

Unit No. 01 Yolo Bypass LB	Overall Unit Rating	Total Unit Miles						
ST0004	A	2.01						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Animal Control	0.01		0.01	0.50%				
Erosion / Bank Caving							0.01	
Crown Surface / Depressions / Rutting	0.13		0.13	6.46%				
<i>Unit Totals:</i>	0.14	0.00	0.14	6.95%	0.00	0.00	0.01	0.00

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LMA District Cover Sheet
Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard East Levee Yolo Bypass

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard East Levee Yolo Bypass

Waterway			Bank	Unit Miles
Unit No. 01 Yolo Bypass			Left	2.01
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/29/2016 - 3/29/2016		10/21/2016 - 10/21/2016	
DWR Inspector	Jai Lor		Oleg Yakimov	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

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Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard East Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/21/2016 10/21/2016	Oleg Yakimov

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_ST0004_01_s_2013_3				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has the levee O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_ST0004_01_s_2013_4				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_ST0004_01_s_2013_5				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has a written response plan and regular flood response training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sacramento Maintenance Yard East Levee Yolo Bypass

No Photos

Ruts on levee crown. Fall 2016.

Irrigation ditch erosion on landward side toward LS levee toe. Fall 2016.

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Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard East Levee Yolo Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	2.01	10/21/2016 10/21/2016	Oleg Yakimov

LM Start	1.51	Rating **	M	Issue No.	1 (cont)	
LM End	1.51	Issue Type +	Ob	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.743573 °	38.743573 °	
				-121.634128 °	-121.634128 °	
DWR ID	DWR_ST0004_01_f_2016_1					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Erosion on a side of a ditch toward LS toe caused by water coming out of irrigation canal.						

Photo 2 of 2 : FA_2016_ST0004_41_1_20161025_00004.jpg



Irrigation ditch erosion caused by water flowing from perpendicular irrigation canal. Fall 2016.

LM Start	1.65	Rating **	M	Issue No.	6
LM End	1.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.741579 °	38.741579 °
				-121.634007 °	-121.634007 °
DWR ID	DWR_ST0004_01_f_2015_6				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA_2016_ST0004_41_6_20161025_00005.jpg



Updated view of rodent holes at this site. Fall 2016.

LM Start	1.65	Rating **	M	Issue No.	6 (cont)
LM End	1.65	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_ST0004_41_6_20160913_00001.jpg



View of the rodent holes on the landward side of the levee looking upstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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